National Institute of Standards and Technology

NVLAP®

National Voluntary Laboratory Accreditation Program

ISO/IEC 17025:1999
ISO 9002:1994

Scope of Accreditation

CALIBRATION LABORATORIES **NVLAP LAB CODE 200668-0**

FLOW DYNAMICS, INC.
15555 N. 79th Place
Scottsdale, AZ 85260
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E-Mail: wusterbarth@flow-dynamics.com
URL: http://www.flow-dynamics.com

MECHANICAL

NVLAP Code: 20/M05
Flow Rate

Range	*Best Uncertainty (±)*[note 1]	*Remarks*
0.005 gpm to 1500 gpm[note 2] 0.019 lpm to 5678 lpm[note 3]	0.025 %	Flow Liquid Hydrocarbons Piston Provers
0.03 gpm to 30 gpm 0.11 lpm to 114 lpm	0.05 %	Flow of Water Piston Provers
0.5 gpm to 400 gpm 1.9 lpm to 1514 lpm	0.15 %	Flow of Water Turbine Meter Transfer Standard
0.000035 scfm to 1000 scfm[note 4] 0.001 slpm to 28316 slpm[note 5]	0.2 %	Flow of Air Bell/Piston Provers
0.001 scfm to 3500 scfm 0.028 slpm to 99105 slpm	0.25 %	Sonic Nozzle Transfer Standard

September 30, 2005

Effective through

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0.000035 scfm to 200 scfm 0.001 slpm to 5663 slpm	0.2 %	Flow of Inert Gases Bell/Piston Provers
0.1 scfm to 400 scfm 2.83 slpm to 11326 slpm	0.35 %	Sonic Nozzle Transfer Standard

1. Represents an expanded uncertainty using a coverage factor, k=2, at an approximate level of confidence of 95%.
2. US Gallons per minute.
3. Liters per minute, may also be express as cubic decimeters per minute.
4. Standard cubic feet per minute at standard conditions for 14.7 psia (101352 pascals) and 70 °F (21.1 °C).
5. Standard liters per minute at standards conditions of 14.7 psia (101352 pascals) and 70 °C (21.1 °C)

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